The

QUARTERLY JOURNAL

of the

ROYAL ASTRONOMICAL SOCIETY

Volume 17, 1976

ASSOCIATE EDITOR

SIMON MITTON, INSTITUTE OF ASTRONOMY, CAMBRIDGE

Published for the Royal Astronomical Society by
Blackwell Scientific Publications
Oxford London Edinburgh Melbourne

Index

PAGE

Allocation of Telescope Time by the Science Research Council 3
An Explanation for the Absence of Extraterrestrials on Earth, *L.J.Cox* (Correspondence) 201
Bappu, M.K.V., Prominences 63
Bartholomew, C.F., The Discovery of the Solar Granulation 263
Bennett, J.A., William Herschel's Large Twenty-Foot Telescope 303
Clark, D.H. and Stephenson, F.R., Which Historical New Stars were Supernovae? 290
CNO Abundances in Red Giant Envelopes, *D.S.P.Dearborn and P.P.Eggleton* 448

Correspondence 94, 201
Cox, L.J., An Explanation for the Absence of Extraterrestrials on Earth (Correspondence) 201
Dearborn, D.S.P. and Eggleton, P.P., CNO Abundances in Red Giant Envelopes 448
Discovery of the Solar Granulation, *C.F.Bartholomew* 263
Editorial 1
Eggen, O.J., Is Star Formation Bimodal? The Early Main Sequence 472
Eggleton, P.P. and Dearborn, D.S.P., CNO Abundances in Red Giant Envelopes 448
First European Conference on Astronomy, *Virginia Trimble* 25
Galactic X-Ray Sources, *A.P.Willmore* 400
How Do Pulsars Pulse? *F.Graham Smith* 383
Hydrogen Molecules in Interstellar Space, *Lyman Spitzer* 97
Is Star Formation Bimodal? The Early Main Sequence, *O.J.Eggen* 472
Johannes Hevelius (1611–1687)—Astronomer of Polish Kings, *A.J.Szanser* 488

Library Accessions 93, 200, 380, 529
Longair, M.S., The Universe in the Recent Past 422
McCrea, W.H.M., The Royal Greenwich Observatory 1675–1975. Some of Its External Relations 4
Night at the Anglo-Australian Telescope, *J.A.J.Whelan* 306

Obituaries:
Patrick Maynard Stuart Blackett, Baron Blackett of Chelsea 68
R.O.Redman 80
Joseph Proudman 187
Warin Foster Bushell 189
Solomon Borisovich Pikel'ner 352
Bertrand John Harris 520
Professor Edgar Hynes Thompson 522
Rupert Wildt 523
Postgraduate Opportunities in Astronomy and Geophysics 2
Presidential Addresses on the Society's Awards, *F.Graham Smith* 214
Prominences, *M.K.V.Bappu* 63

Report of the Council to the One Hundred and Fifty-Sixth Annual General Meeting 357

PAGE

Reports of Meetings:
1975 October 10 87
1975 November 14 89
1975 December 12 90
1976 January 9 191
1976 February 13 196
1976 March 12 198
1975 October 10 (Special General Meeting) 356
1976 March 12 (AGM) 356
1976 April 9 527
1976 May 14 529
Reports of Specialist Discussions at the Manchester Meeting 218

Reports from Observatories, University Departments and Research Establishments:
Institute of Astronomy, University of Cambridge 43
Department of Theoretical Physics, University of Oxford 58
Department of Natural Philosophy, Aberdeen University 61
Royal Observatory, Edinburgh 146
David Dunlap Observatory, University of Toronto 154
University College London, Mullard Space Science Laboratory 174
Department of Astronomy, Research School of Physical Sciences, The Australian National University 313
Department of Geophysical Studies in Space, Royal Aircraft Establishment, Farnborough 335
Institute of Astrophysics, India 341
Sydney Observatory, Australia 351
Dominion Astrophysical Observatory, Victoria, British Columbia; Herzberg Institute of Astrophysics, National Research Council of Canada 499
The South African Astronomical Observatory 510

Revised Catalogue of Pre-Telescopic Galactic Novae and Supernovae, *F.R.Stephenson* 121
Royal Astronomical Society at Manchester 211
Royal Astronomical Society MIST Meeting at Aberystwyth 457
Royal Astronomical Society MIST Meeting on the Rotation of Planetary Atmospheres 139
Royal Greenwich Observatory 1675–1975. Some of Its External Relations, *W.H.McCrea* 4
Seismological Research in the UK, *Ernest Tillotson* 64
Seyfert Galaxies, Quasars and Redshifts, *Daniel W.Weedman* 227
Smith, F.Graham, Presidential Addresses on the Society's Awards 214
Smith, F.Graham, How Do Pulsars Pulse? 383
Spitzer, Lyman, Hydrogen Molecules in Interstellar Space 97
Stephenson, F.R., A Revised Catalogue of Pre-Telescopic Galactic Novae and Supernovae 121
Stephenson, F.R. and Clark, D.H., Which Historical New Stars were Supernovae? 290
Szanser, A.J., Johannes Hevelius (1611–1687)—Astronomer of Polish Kings 488
The Universe in the Recent Past, *M.S.Longair* 422
Tillotson, Ernest, Seismological Research in the UK 64
Trimble, Virginia, The First European Conference on Astronomy 25

PAGE

Weedman, Daniel W., Seyfert Galaxies, Quasars and Redshifts 227
Whelan, J.A.J., A Night at the Anglo-Australian Telescope 306
Which Historical New Stars were Supernovae? *D.H.Clark and F.R.Stephenson* 290
William Herschel's Large Twenty-Foot Telescope, *J.A.Bennett* 303
Willmore, A.P., The Galactic X-Ray Sources 400

Printed by Sumfield & Day Ltd., Eastbourne, East Sussex, England